

Abengoa acoge la segunda reunión anual del proyecto ZAS

- The ZAS Project (Zinc-air secondary batteries based on innovative nanotechnology for efficient energy storage) aims to develop a rechargeable Zinc-Air battery that will broaden the application areas of this technology, providing grid services and easing the integration of renewable generation system into the energy mix.
- The Project is funded by the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No. 646186.

December 11, 2017 – Abengoa (MCE: ABG/P:SM), the international company that applies innovative technology solutions for sustainability in the infrastructures, energy and water sectors, has recently hosted the second annual meeting of the European Project ZAS.

Zinc-Air batteries present some advantages over lithium batteries –the most widespread technology at commercial level- especially remarkable are the higher energy density and the use of low-cost and easily recyclable materials. On the contrary, it is still necessary to improve some issues related to reversibility and lifetime.

ZAS Project, 36 months in length and a total Budget of 6,6 M€, aims to develop a Zinc-Air battery to improve the performance, lifetime, scalability and cost of the technology. Moreover, a market evaluation will be also conducted assessing the time needed to get the developed technology into the market. All these improvements would represent a great progress over the current state of the art of the technology.

During the meeting, the latest advances in the development and optimization of materials for the anode, cathode and electrolyte were shown. Abengoa presented the control algorithms for the integration of Zinc-Air batteries and other energy storage solutions that would enable the management of the production of renewable generation systems, providing greater reliability and flexibility to the grid. The results of the simulations based on these algorithms will be the base to define charging and discharging patterns of real capacity and flexibility services.

The ZAS project is developed within a consortium consisting of universities, research institutes, SMEs and industrial companies. The experience and background of the consortium covers the entire value chain for Zinc-Air battery

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development and optimization, from fundamental material research, to battery manufacturer and testing under real operating conditions. This combination provides a dynamic team with a keen awareness to turning laboratory scale developments into real innovation.



For more information, you can visit the project website <http://sintef.no/zas>

About Abengoa

Abengoa (MCE: ABG/P:SM) applies innovative technology solutions for sustainability in the infrastructures, energy and water sectors (www.abengoa.com).

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